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ATTORNEY DOCKET NO. CONFIRMATION NO. APPLICATION NO. FILING DATE FIRST NAMED INVENTOR 09/085,068 05/26/1998 ALAN J. WEINBERGER #98PS039 6403 26383 **EXAMINER** 7590 03/25/2004 ROCKWELL COLLINS, INC. TRUONG, LECHI INTELLECTUAL PROPERTY DEPARTMENT ART UNIT PAPER NUMBER 400 COLLINS ROAD NE M/S 124-323 2126 CEDAR RAPIDS, IA 52498

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	_
Office Action Summary		09/085,068	WEINBERGER ET AL.	4
		Examiner	Art Unit	
		LeChi Truong	2126	
Period fo	The MAILING DATE of this communication ap or Reply	pears on the cover sheet v	ith the correspondence address	
THE N - Exter after - If the - If NO - Failur - Any r	ORTENED STATUTORY PERIOD FOR REPL MAILING DATE OF THIS COMMUNICATION. Insions of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reprivation for reply is specified above, the maximum statutory period for the total reply within the set or extended period for reply will, by statutively received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a coly within the statutory minimum of the will apply and will expire SIX (6) MC te, cause the application to become a	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
1)🖂	Responsive to communication(s) filed on <u>06 J</u>	lanuary 2004.		
2a)⊠	This action is FINAL . 2b) ☐ This	s action is non-final.		
3)□	Since this application is in condition for allowardosed in accordance with the practice under			
Dispositi	on of Claims			
5)□ 6)⊠ 7)□	Claim(s) 1-14 and 21-24 is/are pending in the 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) 1-14 and 21-24 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	awn from consideration.		, Hospita,
Applicati	on Papers			
10)	The specification is objected to by the Examin The drawing(s) filed on is/are: a) acceptable acceptable and acceptable acceptable acceptable and acceptable	cepted or b) objected to drawing(s) be held in abeyont of the drawing the draw	nnce. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR 1.121(d)).
Priority u	ınder 35 U.S.C. §§ 119 and 120			
a)[13)□ A si 3 a 14)□ A	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document according to the certified copies of the priority document application from the International Bureat application from the International Bureat according to the attached detailed Office action for a list acknowledgment is made of a claim for domestince a specific reference was included in the first terms acknowledgment is made of a claim for domest ack	nts have been received. Its have been received in ority documents have been au (PCT Rule 17.2(a)). It of the certified copies notic priority under 35 U.S.C rst sentence of the specific rovisional application has tic priority under 35 U.S.C	Application No In received in this National Stage t received. § 119(e) (to a provisional application or in an Application Data Sheet opeen received. §§ 120 and/or 121 since a specific	et.
Attachmen	t(s)			
2) Notic	te of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) D Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)	

Application/Control Number: 09/085,068 Page 2

Art Unit: 2126

DETAILED ACTION

1. Claims 1-14 and 21-24 are presentation for examination. This is in response to amendment filed 1/06/2004. Applicant amended claims 1-14, canceled claims 15-20 and added claims 21-24.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 4-14, 21, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al (Us. 6,473,609 B1) in view of Griffin (Us. Patent 6,237,005 B1).

As to claim 1, Schwartz teaches the invention substantially as claimed including: a computer (link server module 300, col 7, ln 45-60/ col 8, ln 35-67/ col 3, ln 37-60/fig 3A), communication (communication, col 7, ln 45-60/ col 8, ln 35-67/ col 3, ln 37-60/fig 3A), a plurality of physical devices (the mobile devices, col 3, ln 15-60), a framework for one more network address unit objects (the server module 310, col 7, ln 45-60/ col 8, ln 35-67/ col 3, ln 37-60/fig 3A), dispatch object (account manager 321, col 8, ln 32-67), one or more virtual line replaceable unit (a control engines, col 8, ln 32-67/ col 12, ln 55-67), managing (managing, col 8, ln 32-67), a message processor, col 8, ln 32-67/ Fig6).

Art Unit: 2126

Schwartz does not explicit teach the term "transaction dispatcher". However, Griffin teaches "transaction dispatcher"(the dispatcher process 246 parses the transaction, col 8, ln 5-67).

It would have been obvious to one of the ordinary skill in the art at time invention was made to combine the teaching of Schwartz and Griffin because Griffin's dispatcher process would improve upon transaction processing performance.

As to claim 4, Schawartz teaches message processor (message processor, col 3, ln 40-60), convert (converts, col 3, ln 40-60), second format (a compact data file, col 3, ln 40-60).

As to claim 5, Schawatz teaches a virtual line replaceable unit performs the step of maintaining the status of related devices (maintain push data, including alerts, electronic mails, col 12, ln 55-68).

As to claim 6, Schawartz teaches perform step adding and removing one or more virtual line replaceable units (account manager 312 is responsible for managing the operations of control engines 320, col 8, ln 45-67).

As to claim 7, Schawartz teaches moving from one storage location to another (the data carring the device characteristics of mobile device 602 is received and maintained in link server, col 11, ln 25-40).

As to claim 8, it is an apparatus claim of claim 1; therefore, it is rejected for the same reason as claim 1 above. In additional, Schawartz teaches a system server (link server, col 7, ln 45-67).

As to claims 9-14, they are apparatus claims of claims 2-7; therefore, they are rejected for the same reasons as claims 2-7 above.

Art Unit: 2126

As to claim 21, it is an apparatus claim of claim1; therefore, it is rejected for the same reasons as claim of claim 1 above. In additional, Schawartz teaches a cabin file server (link server/ server module, col 7, ln 45-67), a plurality of line replacement units (an interface engine of the mobile device 350, col 10, ln 17-53).

As to claim 22, Schawartz teaches session threads (the typical function, col 12, ln 55-68), virtual line replaceable unit (the control engine, col 12, ln 55-68), the name pipes (line 1, line 2, ln 3.../ address identifier, col 15, ln 10-50).

3. Claims 2, 3 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al (Us. 6,473,609 B1) in view of Griffin (Us. Patent 6,237,005 B1) and further in view of Chang et al (US. Paten 6,104,719).

As to claim 2, Schawartz and Griffin do not teach tracking message to the one or more physical device utilizing a queue. However, Chang teaches tracking message to the one or more physical device utilizing a queue (queue is provided with each message stream. As a result, each queue can keep track of the state at which the corresponding message stream is located, col 2, ln 15-26).

It would have been obvious to one of the ordinary skill in the art at the time invention was made to combine teaching of Schawatz, Griffin and Chang because Chang's "queue is provided with each message stream. As a result, each queue can keep track of the state at which the corresponding message stream is located" would support several concurrent message streams.

Art Unit: 2126

As to claim 3, it is rejected an apparatus claim of claim 2; therefore, it is rejected for the same reason of claim 2 above.

4. Claims 23, 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Schwartz et al (Us. 6,473,609 B1) in view of Griffin (Us. Patent 6,237,005 B1) and further in view of Durall et al (US. Patent 5,884,033).

As to claim 23, 24, Schawartz teaches right thread/left thread wait and look up for incoming message (the control engine process request/ an address table is maintained in link server 606 that maps, col 15, ln 1-67), a VLRU name and NAU object ID (address identifier and address buffer, fig. 8A).

Schwartz and Griffin does not teach outgoing for the message, read a NAU object ID. However, Duvall teaches outgoing for the message, read a NAU object ID (outgoing message, checking information in the message: interface port and IP address, col 1, ln 25-63).

It would have been obvious to one of the ordinary skill in the art at the time invention was made to combine the teaching of Schwartz, Griffin and Durall because Duvall's "outgoing message, checking information in the message: interface port and IP address" would monitor transmission to search a particular command on a server in a network to which the client is coupled.

Conclusion

Art Unit: 2126

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (703) 305 5312. The examiner can normally be reached on 8 - 5.

Page 6

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on 703-305-9678. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR of Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

March 12, 2004

MENG-AL T. AN SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2100